

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: August 28, 2002, 17:39:04 ; Search time 79.38 Seconds
(without alignments)
643.395 Million cell updates/sec

Title: US-09-502-984B-6
Perfect score: 1098
Sequence: 1 KFESKALLAARGPPELLCF.....AEPFGGFWMSANSEPVSLT 211

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 747981 seqs, 242050750 residues

Total number of hits satisfying chosen parameters: 747981

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_patents_AA_New.*
1: /cgn2_6/ptodata/1/paa/PCF_NEW_COMB.pep.*
2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep.*
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep.*
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep.*
5: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep.*
6: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep.*
7: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1098	100.0	211	5	US-09-502-984B-6 Sequence 6, Appl
2	1098	100.0	249	5	US-09-502-984B-37 Sequence 37, Appl
3	1080	98.4	211	5	US-09-502-984B-5 Sequence 5, Appl
4	1078	98.2	211	5	US-09-502-984B-4 Sequence 4, Appl
5	1075	97.9	211	5	US-09-502-984B-9 Sequence 9, Appl
6	1073	97.7	211	5	US-09-502-984B-13 Sequence 13, Appl
7	1073	97.7	211	5	US-09-502-984B-14 Sequence 14, Appl
8	1073	97.7	211	5	US-09-502-984B-15 Sequence 15, Appl
9	1070	97.4	211	5	US-09-502-984B-7 Sequence 7, Appl
10	1070	97.4	211	5	US-09-502-984B-17 Sequence 17, Appl
11	1066	97.1	211	5	US-09-502-984B-16 Sequence 16, Appl
12	1064	96.9	211	5	US-09-502-984B-12 Sequence 12, Appl
13	1061	96.6	211	5	US-09-502-984B-12 Sequence 12, Appl
14	1060	96.5	211	5	US-09-502-984B-2 Sequence 2, Appl
15	1060	96.5	211	5	US-09-502-984B-10 Sequence 10, Appl
16	1060	96.5	211	5	US-09-791-537-86927 Sequence 86927, A
17	1060	96.5	213	5	US-09-791-537-67299 Sequence 67299, A
18	1060	96.5	215	5	US-09-791-537-105911 Sequence 105911, A
19	1060	96.5	225	5	US-09-502-984B-1 Sequence 1, Appl
20	1060	96.5	508	5	US-09-791-537-99806 Sequence 99806, A
21	1059.5	96.5	212	5	US-09-502-984B-3 Sequence 3, Appl
22	1053	95.9	211	5	US-09-502-984B-8 Sequence 8, Appl
23	1048	95.4	211	5	US-09-502-984B-18 Sequence 18, Appl
24	1043	95.0	227	5	US-09-791-537-68105 Sequence 68105, A
25	1043	95.0	228	5	US-09-791-537-38134 Sequence 38134, A
26	1039	94.6	211	5	US-09-502-984B-19 Sequence 19, Appl

27	1034	94.2	211	5	US-09-502-984B-20 Sequence 20, Appl
28	1025	93.4	211	5	US-09-502-984B-21 Sequence 21, Appl
29	1025	93.4	211	5	US-09-502-984B-24 Sequence 24, Appl
30	1024	93.3	211	5	US-09-502-984B-25 Sequence 25, Appl
31	1022	93.1	211	5	US-09-502-984B-23 Sequence 23, Appl
32	1020	92.9	211	5	US-09-502-984B-22 Sequence 22, Appl
33	1020	92.9	211	5	US-09-502-984B-26 Sequence 26, Appl
34	1019	92.8	211	5	US-09-502-984B-28 Sequence 28, Appl
35	1009	91.9	211	5	US-09-502-984B-27 Sequence 27, Appl
36	997	90.8	211	5	US-09-502-984B-29 Sequence 29, Appl
37	877.5	79.9	316	5	US-09-791-537-55613 Sequence 55613, A
38	877.5	79.9	507	5	US-09-791-537-9845 Sequence 9845, Ap
39	869.5	79.2	265	5	US-09-791-537-4913 Sequence 4913, Ap
40	869.5	79.2	507	5	US-09-791-537-1440 Sequence 1440, Ap
41	869.5	79.2	507	5	US-09-791-537-126514 Sequence 126514, A
42	782	71.2	229	5	US-09-791-537-40030 Sequence 40030, A
43	778	70.9	229	5	US-09-791-537-40031 Sequence 40031, A
44	171	15.6	625	6	US-10-099-895-34 Sequence 34, Appl
45	168	15.3	56	6	US-10-206-002-710 Sequence 710, Appl

ALIGNMENTS

```
RESULT 1
US-09-502-984B-6
; Sequence 6, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-6

Query Match      100.0%; Score 1098; DB 5; Length 211;
Best Local Similarity 100.0%; Pred. No. 7e-104;
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KFESKALLAARGPPELLCFERLEDLVCFEEBAASAGVPGNFSFPLEDEPMKLCRL 60
    |||||||
DB 1 KFESKALLAARGPPELLCFERLEDLVCFEEBAASAGVPGNFSFPLEDEPMKLCRL 60
    |||||||

OY 61 HQAPTRGAIREFCSLPTADTSSFVPLELRLTAASAPRRHRYIHNEVVLDAAPGLVA 120
    |||||||
DB 61 HQAPTRGAIREFCSLPTADTSSFVPLELRLTAASAPRRHRYIHNEVVLDAAPGLVA 120
    |||||||

OY 121 RLADSGHYVIRLPPETPMTHIRFELDISAGNAGSVQRYELLEGRTECVLSNLRGR 180
    |||||||
DB 121 RLADSGHYVIRLPPETPMTHIRFELDISAGNAGSVQRYELLEGRTECVLSNLRGR 180
    |||||||

OY 181 TRITIAVRARMAEPFSGFGFWMSANSEPVSLT 211
    |||||||
DB 181 TRITIAVRARMAEPFSGFGFWMSANSEPVSLT 211
    |||||||

RESULT 2
US-09-502-984B-37
; Sequence 37, Application US/09502984B
; GENERAL INFORMATION:
```

```

; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-09-502-984B-37
```

```

Query Match          100.0%; Score 1098; DB 5; Length 249;
Best Local Similarity 100.0%; Pred. No. 8.7e-104;
Matches 211; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 1 KFSKALLAARGPEELCTERLEDVCFEEAASGVGPGNFSFQLEDEPWKLCRL 60
D 1 KFSKALLAARGPEELCTERLEDVCFEEAASGVGPGNFSFQLEDEPWKLCRL 60
QY 61 HOAPTARGAIRFMCSLPTADTSSVPLELRUTAASGAPRRHRYIHINEVLLDAPVGLVA 120
D 61 HOAPTARGAIRFMCSLPTADTSSVPLELRUTAASGAPRRHRYIHINEVLLDAPVGLVA 120
QY 121 RLADSGHVIVIRMLPPETPMTHSHIRELDISAGNGAGSVQVRELLGRTCYLSNLGR 180
D 121 RLADSGHVIVIRMLPPETPMTHSHIRELDISAGNGAGSVQVRELLGRTCYLSNLGR 180
QY 181 TRITIAVRAARMAEPSEFGFWSAMSEPVSLLT 211
D 181 TRITIAVRAARMAEPSEFGFWSAMSEPVSLLT 211
```

```

RESULT 3
US-09-502-984B-5
; Sequence 5, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-5
```

```

Query Match          98.4%; Score 1080; DB 5; Length 211;
Best Local Similarity 97.2%; Pred. No. 4.8e-102;
Matches 205; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 1 KFSKALLAARGPEELCTERLEDVCFEEAASGVGPGNFSFQLEDEPWKLCRL 60
D 1 KFSKALLAARGPEELCTERLEDVCFEEAASGVGPGNFSFQLEDEPWKLCRL 60
```

```

QY 61 HOAPTARGAIRFMCSLPTADTSSVPLELRUTAASGAPRRHRYIHINEVLLDAPVGLVA 120
D 61 HOAPTARGAIRFMCSLPTADTSSVPLELRUTAASGAPRRHRYIHINEVLLDAPVGLVA 120
QY 121 RLADSGHVIVIRMLPPETPMTHSHIRELDISAGNGAGSVQVRELLGRTCYLSNLGR 180
D 121 RLADSGHVIVIRMLPPETPMTHSHIRELDISAGNGAGSVQVRELLGRTCYLSNLGR 180
QY 181 TRITIAVRAARMAEPSEFGFWSAMSEPVSLLT 211
D 181 TRITIAVRAARMAEPSEFGFWSAMSEPVSLLT 211
```

```

RESULT 4
US-09-502-984B-4
; Sequence 4, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-4
```

```

Query Match          98.2%; Score 1078; DB 5; Length 211;
Best Local Similarity 96.7%; Pred. No. 7.7e-102;
Matches 204; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
```

```

QY 1 KFSKALLAARGPEELCTERLEDVCFEEAASGVGPGNFSFQLEDEPWKLCRL 60
D 1 KFSKALLAARGPEELCTERLEDVCFEEAASGVGPGNFSFQLEDEPWKLCRL 60
QY 61 HOAPTARGAIRFMCSLPTADTSSVPLELRUTAASGAPRRHRYIHINEVLLDAPVGLVA 120
D 61 HOAPTARGAIRFMCSLPTADTSSVPLELRUTAASGAPRRHRYIHINEVLLDAPVGLVA 120
QY 121 RLADSGHVIVIRMLPPETPMTHSHIRELDISAGNGAGSVQVRELLGRTCYLSNLGR 180
D 121 RLADSGHVIVIRMLPPETPMTHSHIRELDISAGNGAGSVQVRELLGRTCYLSNLGR 180
QY 181 TRITIAVRAARMAEPSEFGFWSAMSEPVSLLT 211
D 181 TRITIAVRAARMAEPSEFGFWSAMSEPVSLLT 211
```

```

RESULT 5
US-09-502-984B-9
; Sequence 9, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RFT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; CURRENT FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
```

```
; SEQ ID NO 9
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-9
```

```
Query Match          97.7%; Score 1073; DB 5; Length 211;
Best Local Similarity 96.2%; Pred. No. 1.5e-101;
Matches 203; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 KFSKALLAARPEELLCTERLEEDLVCFEEBAASAGVPGNFSFQLEDEPMKLCRL 60
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 1 KFSKALLAARPEELLCTERLEEDLVCFEEBAASAGVPGNFSFQLEDEPMKLCRL 60
QY 61 HQAPTARGAIRFWCSLPTADTSSFVPLELRITAAAGAPRFRHYIHINEVLLDAPVGLVA 120
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 61 HQAPTARGAIRFWCSLPTADTSSFVPLELRITAAAGAPRFRHYIHINEVLLDAPVGLVA 120
QY 121 RLADSGHVIVIRLPPETPMTSHIRFELDISAGNGAGSVQRYELLEGRTECVLSMLRGR 180
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 121 RLADSGHVIVIRLPPETPMTSHIRFELDISAGNGAGSVQRYELLEGRTECVLSMLRGR 180
QY 181 TRTITAVRARMAEPFRGFGFWSAMSEPVSLIT 211
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 181 TRTITAVRARMAEPFRGFGFWSAMSEPVSLIT 211
```

```
RESULT 6
US-09-502-984B-13
```

```
; Sequence 13, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-13
```

```
Query Match          97.7%; Score 1073; DB 5; Length 211;
Best Local Similarity 96.2%; Pred. No. 2.5e-101;
Matches 203; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 KFSKALLAARPEELLCTERLEEDLVCFEEBAASAGVPGNFSFQLEDEPMKLCRL 60
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 1 KFSKALLAARPEELLCTERLEEDLVCFEEBAASAGVPGNFSFQLEDEPMKLCRL 60
QY 61 HQAPTARGAIRFWCSLPTADTSSFVPLELRITAAAGAPRFRHYIHINEVLLDAPVGLVA 120
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 61 HQAPTARGAIRFWCSLPTADTSSFVPLELRITAAAGAPRFRHYIHINEVLLDAPVGLVA 120
QY 121 RLADSGHVIVIRLPPETPMTSHIRFELDISAGNGAGSVQRYELLEGRTECVLSMLRGR 180
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 121 RLADSGHVIVIRLPPETPMTSHIRFELDISAGNGAGSVQRYELLEGRTECVLSMLRGR 180
QY 181 TRTITAVRARMAEPFRGFGFWSAMSEPVSLIT 211
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 181 TRTITAVRARMAEPFRGFGFWSAMSEPVSLIT 211
```

```
RESULT 7
US-09-502-984B-14
```

```
; Sequence 14, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-14
```

```
Query Match          97.7%; Score 1073; DB 5; Length 211;
Best Local Similarity 96.2%; Pred. No. 2.5e-101;
Matches 203; Conservative 6; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 1 KFSKALLAARPEELLCTERLEEDLVCFEEBAASAGVPGNFSFQLEDEPMKLCRL 60
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 1 KFSKALLAARPEELLCTERLEEDLVCFEEBAASAGVPGNFSFQLEDEPMKLCRL 60
QY 61 HQAPTARGAIRFWCSLPTADTSSFVPLELRITAAAGAPRFRHYIHINEVLLDAPVGLVA 120
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 61 HQAPTARGAIRFWCSLPTADTSSFVPLELRITAAAGAPRFRHYIHINEVLLDAPVGLVA 120
QY 121 RLADSGHVIVIRLPPETPMTSHIRFELDISAGNGAGSVQRYELLEGRTECVLSMLRGR 180
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 121 RLADSGHVIVIRLPPETPMTSHIRFELDISAGNGAGSVQRYELLEGRTECVLSMLRGR 180
QY 181 TRTITAVRARMAEPFRGFGFWSAMSEPVSLIT 211
    |||||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 181 TRTITAVRARMAEPFRGFGFWSAMSEPVSLIT 211
```

```
RESULT 8
US-09-502-984B-15
```

```
; Sequence 15, Application US/09502984B
; GENERAL INFORMATION:
; APPLICANT: Luo, Peizhi
; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY
; FILE REFERENCE: A-68126-1/RT/RMS/RMK
; CURRENT APPLICATION NUMBER: US/09/502,984B
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/120,009
; PRIOR FILING DATE: 1999-02-11
; PRIOR APPLICATION NUMBER: 60/131,674
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC
US-09-502-984B-15
```

```
Query Match          97.7%; Score 1073; DB 5; Length 211;
Best Local Similarity 96.2%; Pred. No. 2.5e-101;
```


Db 121 RLADSGHVIRLPPETPMTSHIRFELDISAGNAGSVORVEILEGRTCVLSMLRGR 180

QY 181 TRITIAVRARMAEPSPGFGWSAMSEPVSLTT 211

Db 181 TRITIAVRARMAEPSPGFGWSAMSEPVSLTT 211

RESULT 12

US-09-502-984B-11

; Sequence 11, Application US/09502984B

; GENERAL INFORMATION:

; APPLICANT: Luo, Peizhi

; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY

; FILE REFERENCE: A-68126-1/RFT/RMS/RMK

; CURRENT APPLICATION NUMBER: US/09/502,984B

; CURRENT FILING DATE: 2000-02-11

; PRIOR APPLICATION NUMBER: 60/120,009

; PRIOR FILING DATE: 1999-02-11

; PRIOR APPLICATION NUMBER: 60/131,674

; PRIOR FILING DATE: 1999-04-29

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 11

; LENGTH: 211

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC

Query Match 96.9%; Score 1064; DB 5; Length 211;
Best Local Similarity 94.3%; Pred. No. 2.1e-100;
Matches 199; Conservative 10; Mismatches 2; Indels 0; Gaps 0;

QY 1 KFSKAAALLAARGPEELLCFTEERLEDVCFEEBAASAGVPGNFSFQLEDEPMKICRL 60
Db 1 KFSKAAALLAARGPEELLCFTEERLEDVCFEEBAASAGVPGNFSFQLEDEPMKICRL 60

QY 61 HQAPTAGAIRFWCSLPTADTSSFVPLELRITPAASGAPRHRVITHINEVLLDAPVGLVA 120
Db 61 HQAPTAGAIRFWCSLPTADTSSFVPLELRITPAASGAPRHRVITHINEVLLDAPVGLVA 120

QY 121 RLADSGHVIRLPPETPMTSHIRFELDISAGNAGSVORVEILEGRTCVLSMLRGR 180
Db 121 RLADSGHVIRLPPETPMTSHIRFELDISAGNAGSVORVEILEGRTCVLSMLRGR 180

QY 181 TRITIAVRARMAEPSPGFGWSAMSEPVSLTT 211
Db 181 TRITIAVRARMAEPSPGFGWSAMSEPVSLTT 211

RESULT 13

US-09-502-984B-12

; Sequence 12, Application US/09502984B

; GENERAL INFORMATION:

; APPLICANT: Luo, Peizhi

; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY

; FILE REFERENCE: A-68126-1/RFT/RMS/RMK

; CURRENT APPLICATION NUMBER: US/09/502,984B

; CURRENT FILING DATE: 2000-02-11

; PRIOR APPLICATION NUMBER: 60/120,009

; PRIOR FILING DATE: 1999-02-11

; PRIOR APPLICATION NUMBER: 60/131,674

; PRIOR FILING DATE: 1999-04-29

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 12

; LENGTH: 211

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: SYNTHETIC

US-09-502-984B-12

Query Match 96.6%; Score 1061; DB 5; Length 211;
Best Local Similarity 94.3%; Pred. No. 4.2e-100;
Matches 199; Conservative 10; Mismatches 2; Indels 0; Gaps 0;

QY 1 KFSKAAALLAARGPEELLCFTEERLEDVCFEEBAASAGVPGNFSFQLEDEPMKICRL 60

Db 1 KFSKAAALLAARGPEELLCFTEERLEDVCFEEBAASAGVPGNFSFQLEDEPMKICRL 60

QY 61 HQAPTAGAIRFWCSLPTADTSSFVPLELRITPAASGAPRHRVITHINEVLLDAPVGLVA 120

Db 61 HQAPTAGAIRFWCSLPTADTSSFVPLELRITPAASGAPRHRVITHINEVLLDAPVGLVA 120

QY 121 RLADSGHVIRLPPETPMTSHIRFELDISAGNAGSVORVEILEGRTCVLSMLRGR 180

Db 121 RLADSGHVIRLPPETPMTSHIRFELDISAGNAGSVORVEILEGRTCVLSMLRGR 180

QY 181 TRITIAVRARMAEPSPGFGWSAMSEPVSLTT 211

Db 181 TRITIAVRARMAEPSPGFGWSAMSEPVSLTT 211

RESULT 14

US-09-502-984B-2

; Sequence 2, Application US/09502984B

; GENERAL INFORMATION:

; APPLICANT: Luo, Peizhi

; TITLE OF INVENTION: STRUCTURE-BASED SCREENING TECHNIQUES FOR DRUG DISCOVERY

; FILE REFERENCE: A-68126-1/RFT/RMS/RMK

; CURRENT APPLICATION NUMBER: US/09/502,984B

; CURRENT FILING DATE: 2000-02-11

; PRIOR APPLICATION NUMBER: 60/120,009

; PRIOR FILING DATE: 1999-02-11

; PRIOR APPLICATION NUMBER: 60/131,674

; PRIOR FILING DATE: 1999-04-29

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 211

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-502-984B-2

Query Match 96.5%; Score 1060; DB 5; Length 211;
Best Local Similarity 93.8%; Pred. No. 5.3e-100;
Matches 198; Conservative 11; Mismatches 2; Indels 0; Gaps 0;

QY 1 KFSKAAALLAARGPEELLCFTEERLEDVCFEEBAASAGVPGNFSFQLEDEPMKICRL 60

Db 1 KFSKAAALLAARGPEELLCFTEERLEDVCFEEBAASAGVPGNFSFQLEDEPMKICRL 60

QY 61 HQAPTAGAIRFWCSLPTADTSSFVPLELRITPAASGAPRHRVITHINEVLLDAPVGLVA 120

Db 61 HQAPTAGAIRFWCSLPTADTSSFVPLELRITPAASGAPRHRVITHINEVLLDAPVGLVA 120

QY 121 RLADSGHVIRLPPETPMTSHIRFELDISAGNAGSVORVEILEGRTCVLSMLRGR 180

Db 121 RLADSGHVIRLPPETPMTSHIRFELDISAGNAGSVORVEILEGRTCVLSMLRGR 180

QY 181 TRITIAVRARMAEPSPGFGWSAMSEPVSLTT 211

Db 181 TRITIAVRARMAEPSPGFGWSAMSEPVSLTT 211

RESULT 15

US-09-502-984B-10

; Sequence 10, Application US/09502984B

; GENERAL INFORMATION:

; APPLICANT: Luo, Peizhi

